

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Currently Amended) An apparatus comprising:
a transceiver to receive ~~a first~~ a first set of codes from ~~a multiple separate~~
transmitters via a short-range wireless Bluetooth™ communications standard,
the transceiver ~~to generate~~ ing a second code; and
a correlator on the transceiver ~~that to~~ uses the first set of codes and the second
codes to find ~~the a~~ distance between the transceiver and the transmitter, the
correlator using the distance to determine a position of the transceiver relative
to the transmitter.
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2. (Currently Amended) The apparatus of claim 1 wherein the transceiver
to receives the first set of codes from at least four different transmitters, the
transceiver ~~to use~~ ing the first set of codes to determine a position of the
transceiver relative to the four transmitters.
3. (Original) The apparatus of claim 1 wherein the transceiver further
comprises a radio frequency unit with a radio and a baseband processing unit.
4. (Currently Amended) The apparatus of claim 3 wherein the radio
frequency unit of the transceiver to receives the first set of codes sent by the
transmitters.

5. (Currently Amended) The apparatus of claim 3 wherein the baseband processing unit processes a noise code received from a satellite in a global positioning system (GPS), the transceiver to using the noise code to determine a position of the transceiver relative to the satellite.

6. (Original) The apparatus of claim 5 wherein the transceiver includes a short-range wireless communication interface to exchange augmentation data with the GPS.

a 7. (Original) The apparatus of claim 6 wherein the augmentation data is selected from the group consisting of differential corrections, wide area augmentation system (WAAS) corrections, satellite ephemeris data, doppler shift estimates, satellite snapshot data, and terrain maps.

8. (Cancelled)

9. (Original) The apparatus of claim 1 wherein the short-range wireless communications standard is IEEE 802.11b.

10. (Currently Amended) The apparatus of claim 1 wherein the first set of codes and the second codes are noise codes.

11. (Currently Amended) A system comprising:
a set of transmitters to transmit a first set of codes corresponding to the transmitters using via a short-range wireless Bluetooth™ communications standard;

a transceiver having a radio frequency (RF) unit with a radio to receive the first set of codes, the transceiver to generate a second code; a baseband processing unit on the transceiver, the baseband processing unit to processing a noise code received from a satellite in a global positioning system (GPS); and

a correlator on the transceiver to uses the first set of codes and the second code to find a distance between the transceiver and the transmitter, the correlator to use the distance to determine a position of the transceiver relative to the transmitters ~~a correlator on the transceiver, the correlator using the first and second code to determine a first distance between the transceiver and the transmitter, the correlator determining a first position of the transceiver relative to the transmitter, and the correlator to determine~~ing a second distance between the transceiver and the satellite in order to determine a second position of the transceiver relative to the satellite.

12. (Currently Amended) The system of claim 11 wherein the transceiver to receives the first set of codes from at least four different transmitters, the transceiver using the first set of codes to determine a position of the transceiver relative to the four transmitters.

13. (Currently Amended) The system of claim 11 wherein ~~each the~~ transceiver is to receives GPS noise codes from at least four different satellites, the transceiver to using the GPS noise codes to determine a position of the transceiver relative to the four satellites.

14. (Original) The system of claim 13 wherein the transceiver includes a short-range wireless communication interface to exchange augmentation data with the GPS.

15. (Original) The system of claim 14 wherein the augmentation data is selected from the group consisting of differential corrections, wide area augmentation system (WAAS) corrections, satellite ephemeris data, doppler shift estimates, satellite snapshot data, and terrain maps.

16. (Cancelled)

a 17. (Original) The system of claim 11 wherein the short-range wireless communications standard is IEEE 802.11b.

18. (Currently Amended) The system of claim 11 wherein the first set of codes and the second codes are noise codes.

19. (Currently Amended) A method comprising:
sending a first set of codes from a set of transmitters to a transceiver via a short-range wireless Bluetooth™ communications standard;
generating a second code to correspond to the first set of codes;
comparing the first code with the second code;
calculating a distance between the transmitters and the transceiver; and
determining a position of the transceiver relative to the transmitters using the calculated distance between the transmitter and the transceiver.

20. (Original) The method of claim 19 further comprising the steps of:

receiving first codes from at least four different transmitters; and
determining a position of the transceiver relative to the four transmitters.

21. (Original) The method of claim 19 further comprising the steps of:
sending noise codes from a satellite in a global positioning system (GPS)
to the transceiver; and
processing the noise code to determine a position of the transceiver
relative to the satellite.

a 22. (Original) The method of claim 21 wherein the step of processing the
noise code is done by a baseband processing unit of the transceiver.

23. (Original) The method of claim 21 further comprising the steps of:
receiving noise codes from at least four satellites; and
determining the position of the transceiver relative to the four satellites.

24. (Original) The method of claim 23 further comprising the step of
exchanging augmentation data between the GPS and a short-range wireless
communications interface on the transceiver.

25. (Original) The method of claim 24 wherein the augmentation data is
selected from the group consisting of differential corrections, wide area
augmentation system (WAAS) corrections, satellite ephemeris data, doppler
shift estimates, satellite snapshot data, and terrain maps.

26. (Cancelled)

27. (Original) The method of claim 19 wherein the short-range wireless communications standard is IEEE 802.11b.

28. (Currently Amended) The method of claim 19 wherein the first set of codes and the second codes are noise codes.

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29. (Cancelled)

30. (Cancelled)
